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Amendments to Claims

Please amend the claims as follows:

Claims 1-4 (previously cancelled)

Claim 5 (currently amended) A method of selectively routing communication connection through diverse media comprising:

providing a computer associated with a first end system;

providing a first lookup table in said computer, said first lookup table storing a selection of media options for routing a communication connection to a second end system, said first lookup table further including optimization factors and connection protocols for each media option;

providing a second lookup table in said computer, said second lookup table storing rerouting criteria for use in determining whether to reroute the communication connection;

accessing said first lookup table to select a media for routing said communication connection based on one or more of said optimization factors;

routing said communication connection over the selected media; and

monitoring said communication connection in relation to said rerouting criteria while a call is in progress and if an alternate media is discovered which indicates and improvement can be achieved relative to said rerouting criteria the connection is rerouted seamlessly over an alternate media without loss of connection. and rerouting said connection over an alternate media if an alternate media satisfies the rerouting criteria.

Claim 6 (original) The method of claim 5 wherein said diverse media is selected from the group consisting of a Wide Area Network (WAN), Public Switched Telephone Network (PSTN), Telephone over Cable, Virtual Private Network (VPN), Satellite and Wireless networks.

Claim 7 (original) The method of claim 5 wherein said first and second end systems comprise telephone terminals.

Claim 8 (original) The method of claim 7 wherein said communication is voice communication.

Claim 9 (original) The method of claim 5 wherein said first and second end systems include video terminals.

Claim 10 (previously amended) The method of claim 5 wherein said first lookup table includes dynamic and static optimization factors associated with each media option.

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Claim 11 (original) The method as defined in claim 10 wherein said optimization factors are selected from the group consisting of tariffs, expense, latency, bandwidth and network load.

Claim 12 (previously cancelled)

Claim 13 (previously amended) The method of claim 5 wherein the communication connection is monitored at a set time after a connection has been set up.

Claim 14 (previously amended) The method of claim 5 said connection is monitored on a periodic basis.

Claim 15 (previously amended) The method of claim 11 wherein said connection is monitored by sending a media file to a second end system and obtaining a comparison of the present connection with characteristics of said media file.

Claim 16 (original) The method of claim 15 wherein said end systems are for voice communication and said media file is an audio clip.

Claim 17 (original) The method of claim 15 wherein said end systems are for video communication and said media file is a video clip.

Claim 18 (previously amended) The method of claim 5 wherein said second lookup table sets an improvement level of an alternate media option and switches to the alternate media if the difference in service exceeds the improvement level.

Claim 19 (previously amended) The method of claim 5 wherein the first lookup table identifies a selected media for routing a connection based on the identity of the second end system.

Claims 20-23 (previously cancelled)

Claim 24 (currently amended) A system for selectively routing communication connections between first and second end systems through diverse media comprising:

computing means associated with said first end system;

a first look up table in said computing means, said first lookup table storing a list of media options available for routing a communication connection from said first end system to

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said second end system and optimization factors and connection protocols for each listed media option;

a second lookup table in said computer means, said second lookup table storing rerouting criteria for use in determining whether to reroute the communication connection;

accessing means to access said first lookup table to select one of said media options for routing a connection based on one or more of said optimization factors;

means to route said communication connection over the selected media; and

means for monitoring said communication connection in relation to said rerouting criteria while a call is in progress and if an alternate media is discovered that indicates an improvement can be achieved relative to said rerouting criteria the connection is rerouted seamlessly over an alternate media without loss of connection. and rerouting said connection over an alternate media satisfies the rerouting criteria.

Claim 25 (original) A system as defined in claim 24 wherein said diverse media includes a Public Switched Telephone Network (PSTN), a Wide Area Network (WAN), a Virtual Private Network (VPN) and a satellite transmission network.

Claim 26 (original) A system as defined in claim 24 wherein said accessing means includes means to reroute a connection after initiation if a new connection better matching a users preferences becomes available.

Claim 27 (previously cancelled)

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